

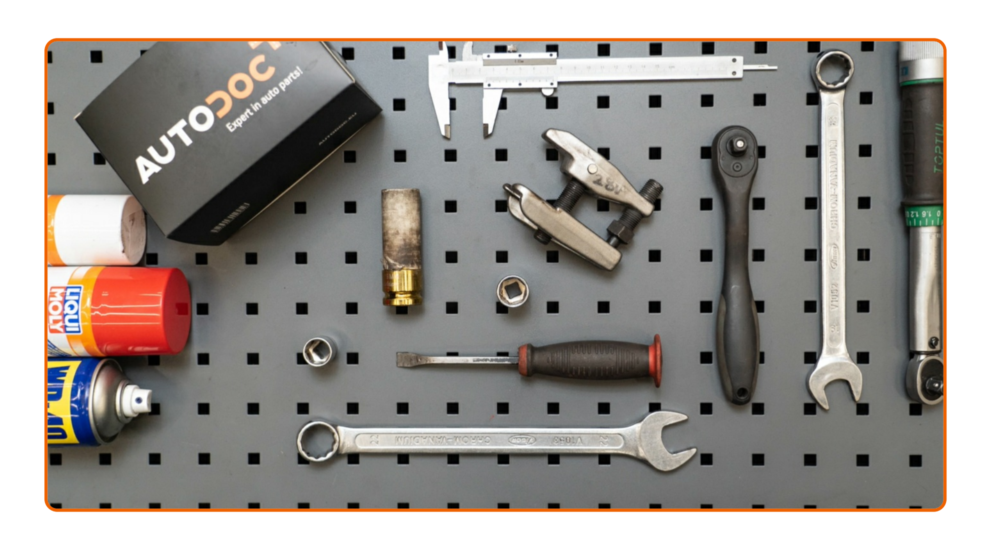
 VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
FORD FIESTA V (JH_, JD_) 1.4 16V, FORD FUSION (JU_) 1.4

The steps may slightly vary depending on the car design.

REQUIRED TOOLS:



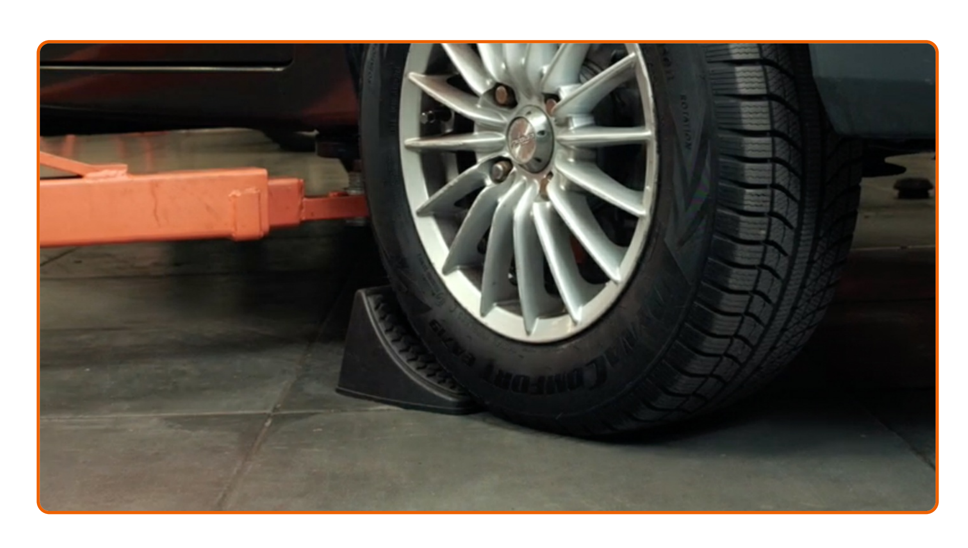
- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Combination spanner #22
- Drive socket # 15
- Drive socket # 17
- Wheel impact socket #19
- Torque wrench
- Tap wrench
- Vernier caliper
- Ball joint puller
- Wheel chock

AUTODOC recommends:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1



Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #19.

3



Raise the front of the car and secure on supports.

4

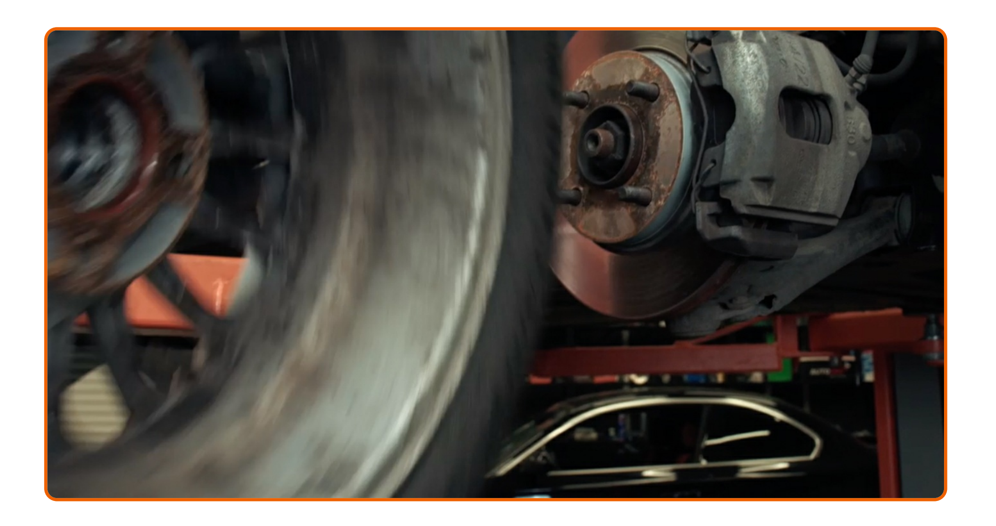


Unscrew the wheel bolts.

AUTODOC recommends:

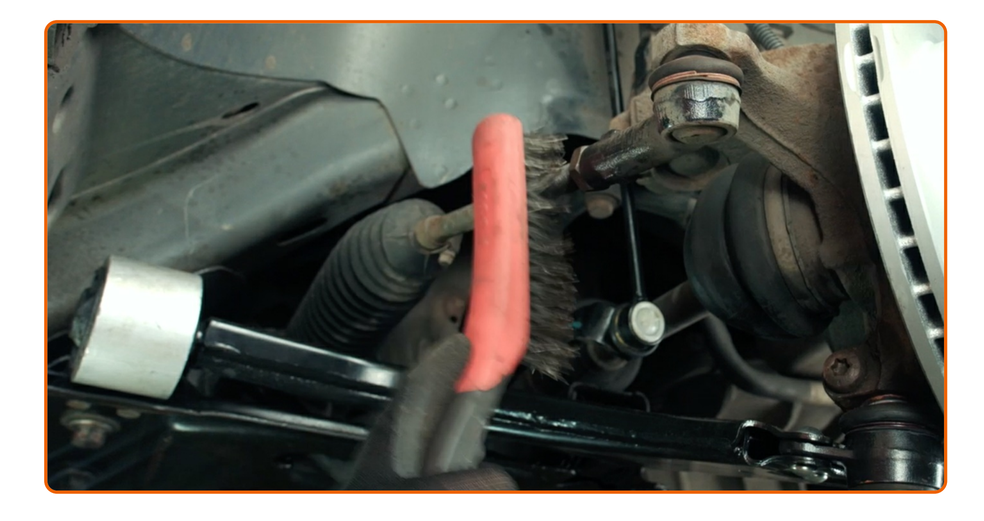
- To avoid injury, hold up the wheel when unscrewing the bolts.

5



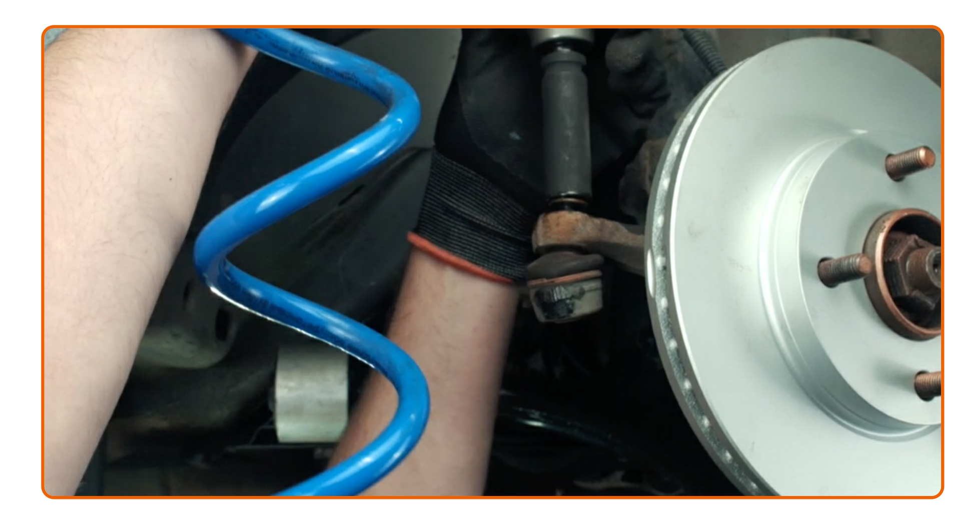
Remove the wheel.

6



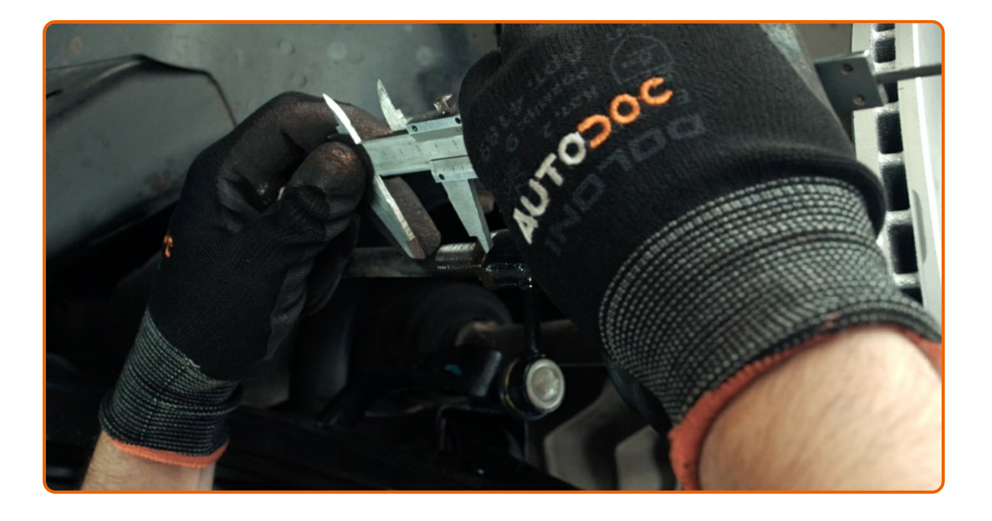
Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

7



Unscrew the end fastening nut to the steering knuckle. Use a drive socket #15. Use a tap wrench.

8



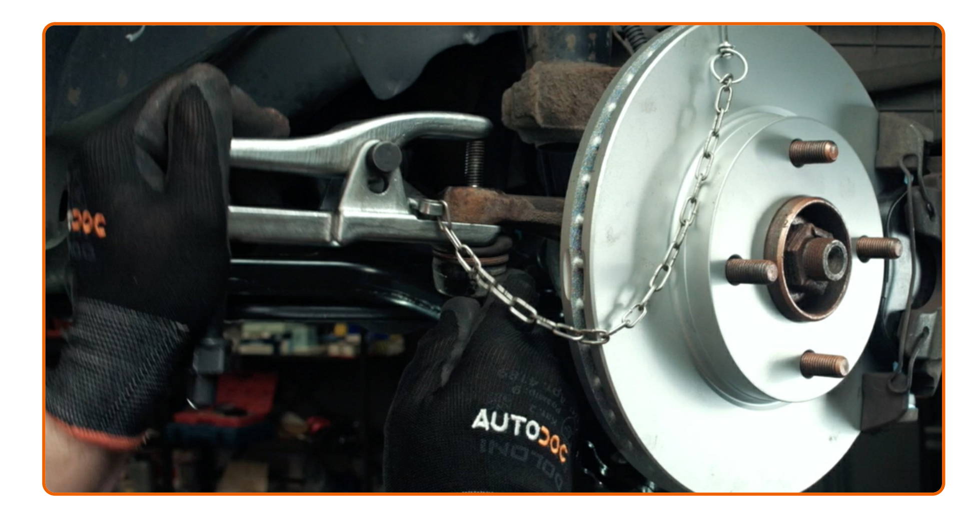
When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.

9



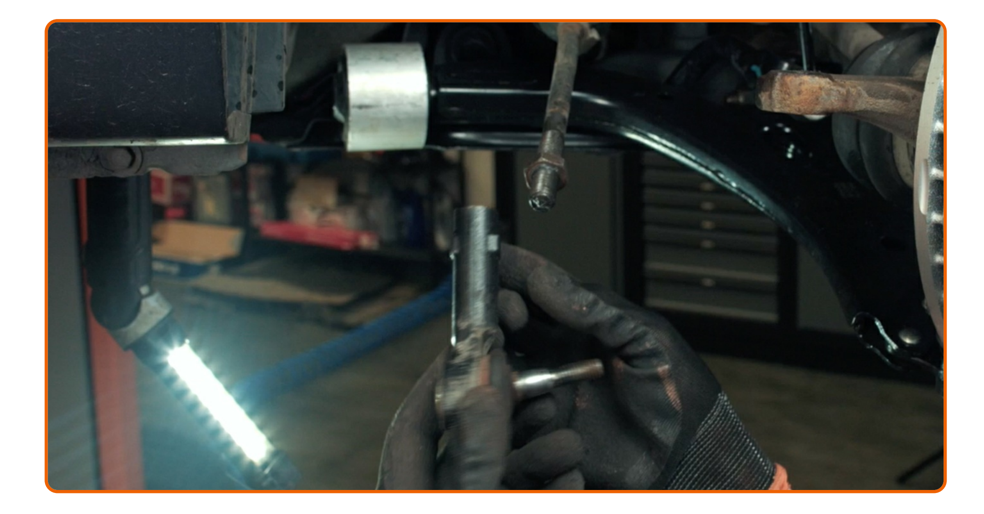
Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #22.

10



Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

11



Screw the end out of the tie rod.

12



Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.

13

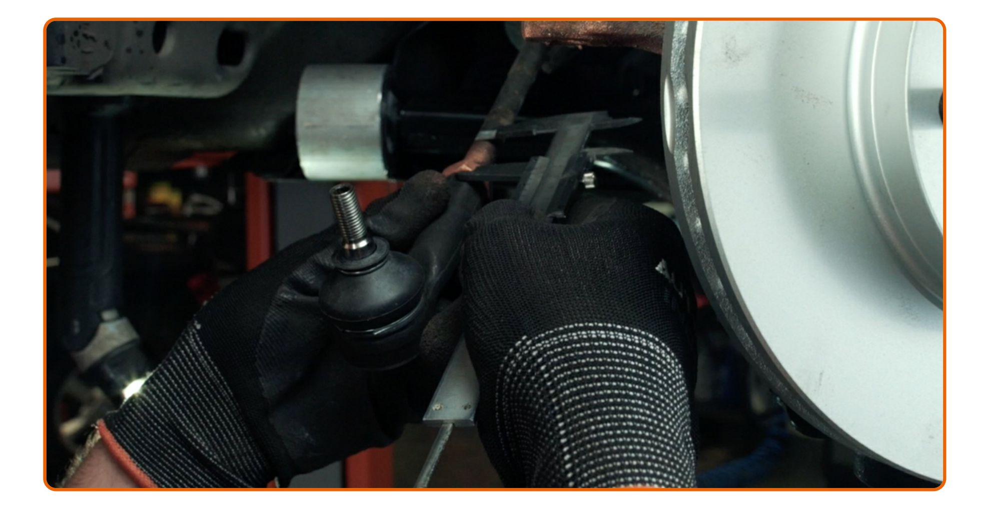


Screw on a new tie rod end.

AUTODOC recommends:

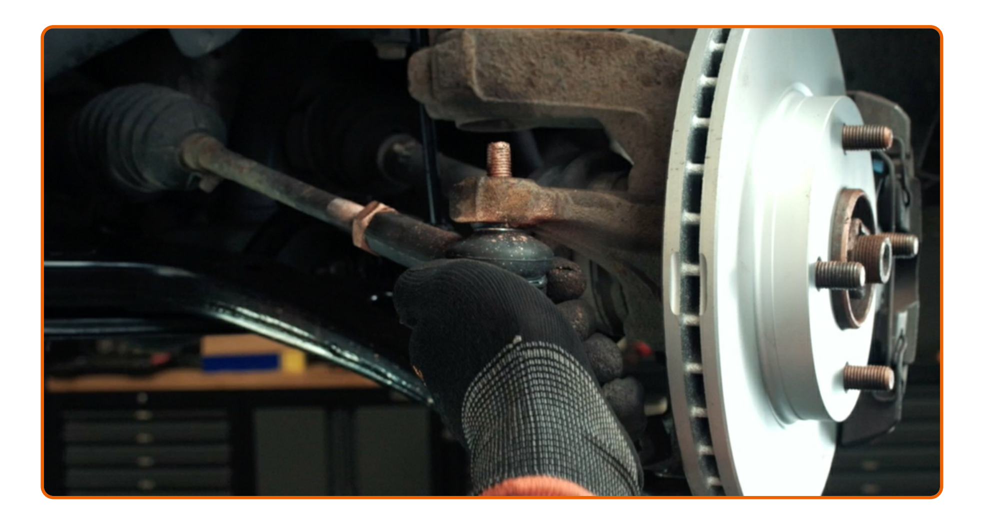
- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements

14



When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.

15



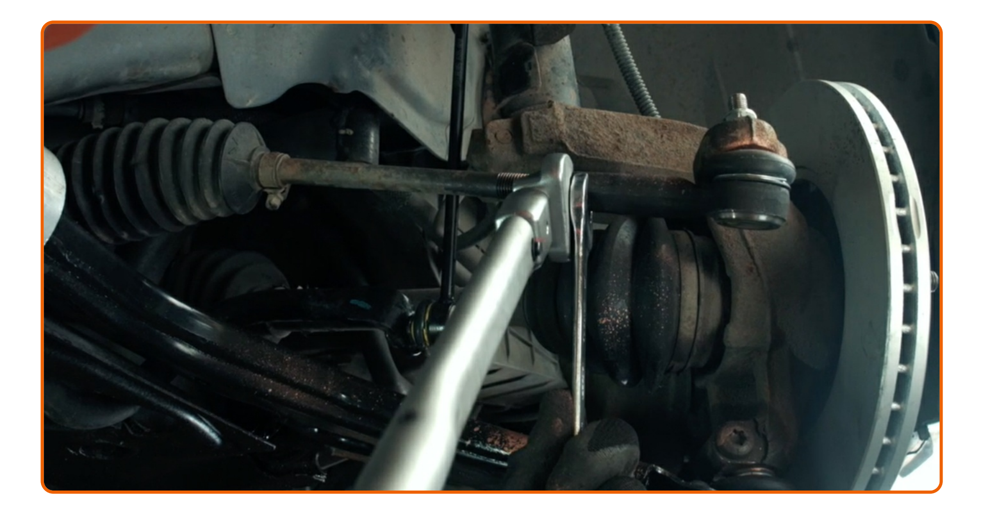
Connect the tie rod end to the steering knuckle.

16



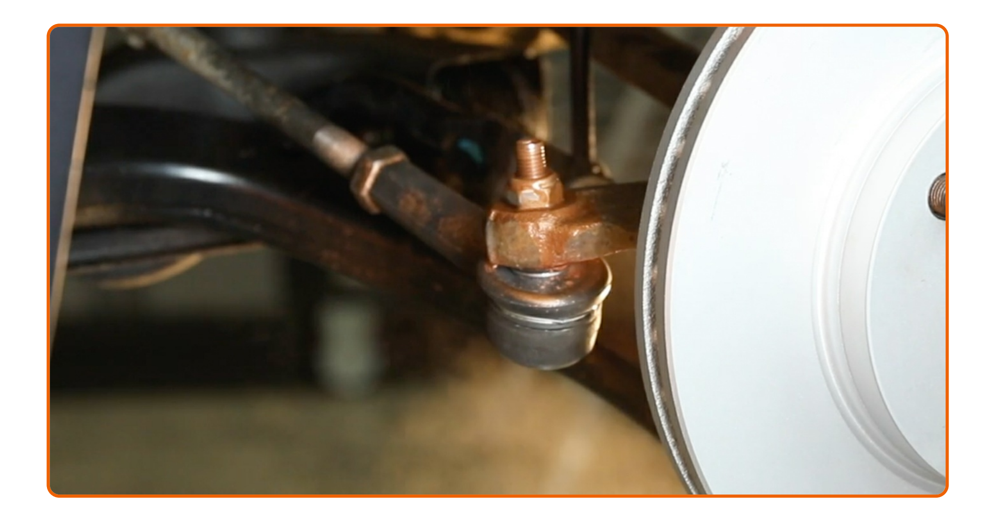
Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 65 nm torque.

17



Tighten the tie rod end locknut. Use a combination spanner #19. Use a combination spanner #22. Use a torque wrench. Tighten it to 60 nm torque.

18



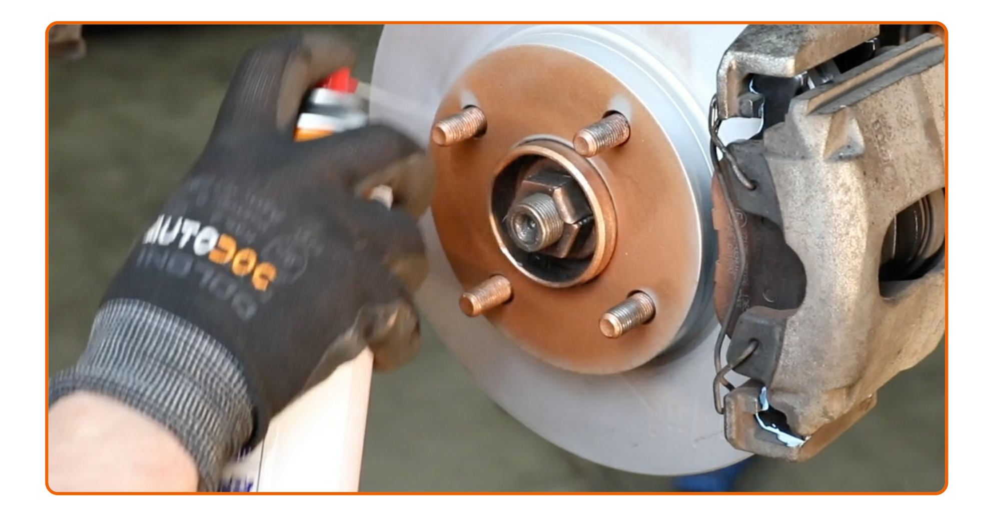
Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.

19



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

20



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- After applying the spray, wait a few minutes.

21

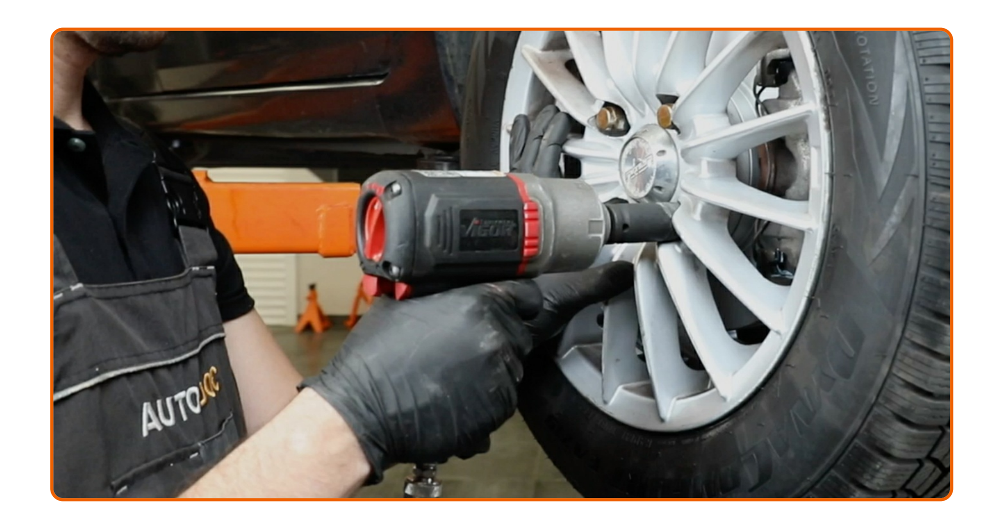


Install the wheel.

AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

22



Screw in the wheel bolts. Use wheel impact socket #19.

23



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 120 nm torque.

AUTODOC recommends:

- Check and adjust wheel alignment if necessary.

24



Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES NO



BECOME A MEMBER OF AUTODOC CLUB!

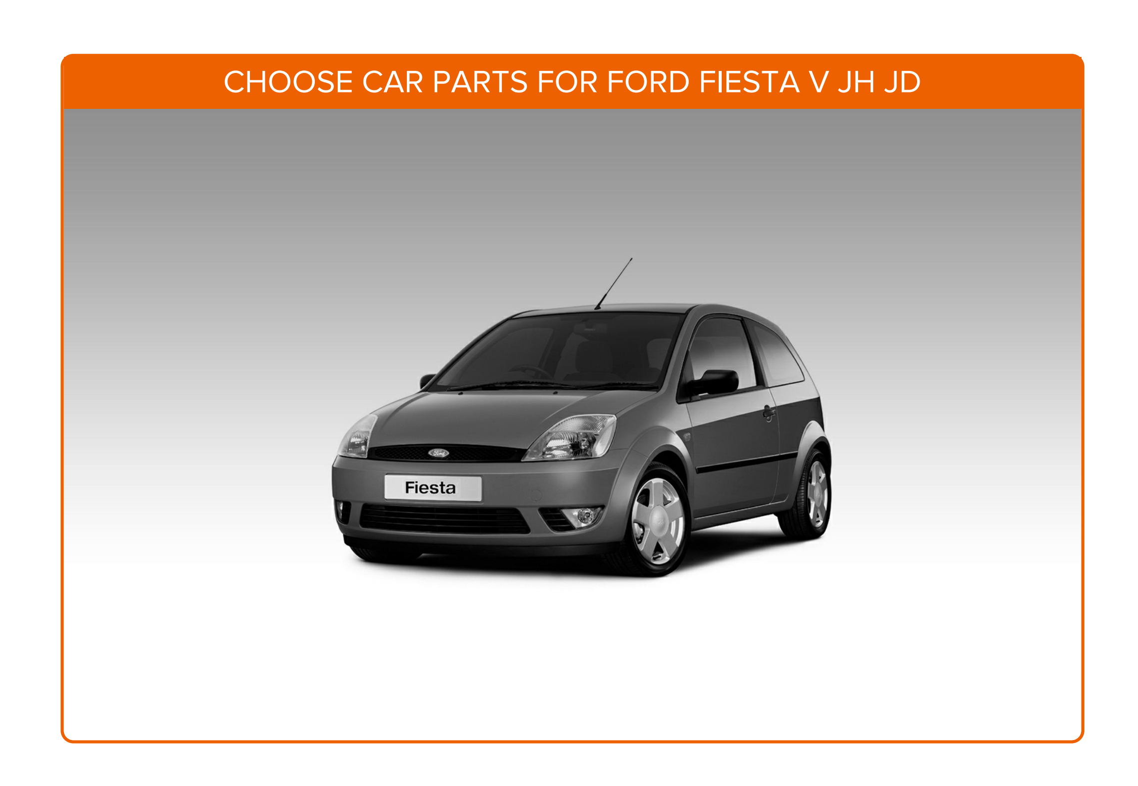
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TIE ROD ENDS: A WIDE SELECTION





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